

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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APPLICANT : SUMITOMO CHEM CO LTD;

INVENTOR : OIZUMI ISAO;

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TITLE : FILTER FOR AIR PURIFIER

ABSTRACT : PURPOSE: To device adsorptive removal of a noxious substance present in tobacco smoke, by allowing a phthalocyanine compound to be present in a filter base material.

CONSTITUTION: A phthalocyanine compound is allowed to be present in a filter base material by an adhering or chemical bonding method to form a filter for an air purifier. The phthalocyanine of the aforementioned phthalocyanine compound does not contain a metal or contains a metal such as copper, nickel, cobalt, aluminum or iron. In addition, the aforementioned base material comprises an org. or inorg-substance having a hydroxyl group and amino group, a mercapto group and a carbonamide group. By this filter, noxious substance in air is efficiently removed.

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